

HOSTOMSKA, L.; HORACKOVA, M.; VALENTOVA, J.

Certain criteria of growth in children with a simple alimentary obesity. Cesk.pediat. 15 no.8:686-690 Ag '60.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi KU v Praze, vedouci prof. MUDr. J.Houstek katedra fakultni pediatrie fakulty vseobecneho lekarstvi KU v Praze, vedouci prof. MUDr F.Blazek.

(GROWTH)

(OBESITY in inf & child)

KUNCOVA, Z.; HORACKOVA, M.

Ambulatory follow-up of underweight children in varied etiology.  
Cesk.pediat.16 no.2:128-134 F '61.

1. Pediatricka katedra fakulty vseobec. lekarstvi MU, detske  
oddeleni Fakultni polikliniky v Praze, prednosta prof. dr.  
F. Blazek.

(THINNESS in inf & child)

HOSTOMSKA, L.; HORACKOVA, M.

Treatment of eufunctional goiter in childhood. Cas.lek.cesk 100 no.44:  
1396-1402 3 N '61.

1. II detska klinika KU v Praze, vedouci prof. Dr. Sc. MUDr. J. Heustek.  
IV detska klinika KU v Praze, vedouci prof. MUDr. F. Blazek.

(GOITER in inf & child)

JIROVEC, Otto; HORACKOVA, Milada; JIROVCOVA, Marie; JIRA, Jindrich;  
SMID, Jiri; VALENTOVA, Jirina; VOSTA, Jaroslav

A study of the toxoplasmin reaction. I. Examination of some groups  
from the normal population. Cesk. epidem. mikrob. imun. 10 no.3:  
197-205 '61.

1. Protozoologicka laborator CSAV v Praze. Detske oddeleni fakultni  
polikliniky ONZ-UNV hl. m. Prahy. Gynekologicke oddeleni OUNZ v  
Havlickove Bude. Krajska hygi-epid. stanice v Ceskych Budejovicich.  
(TOXOPLASMOSIS immunol.)

JAKOUBEK, B.; PAVLOVA, M.; GUTMANN, E.

Factors affecting the increased catabolism of proteins in the peripheral nerve during motor activity. *Physiol. Bohemoslov.* 14 no.4:312-316 '65.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague. Submitted January 9, 1965.

GROSSMANN, Vojtech, prof. MUDr.; TULACH, Jiri; Technicke spoluprace:  
HORACKOVA, O.; PECA, O.; OCHRYMOVIC, O.

A contribution to changes in the effect of physostigmine on  
the blood pressure of irradiated rats. Sborn. ved. prac. lek.  
fak. Karlov. Univ. 9 no.1:183-190 '64.

1. Katedra farmakologie (prednosta: prof. MUDr. V. Grossmann);  
Katedra toxikologie (prednosta: doc. MUDr. Z. Fink) Karlovy  
University v Hradce Kralove.

ZNAMENACEK, K.; JANATA, V.; BYDZOVSKY, V.; HORADKOVA, Z.

New methods of prophylaxis against staphylococcal infections in the newborn. Cesk pediat 17 no.2:177-180 F '62.

1. UPMD Praha Podoli, reditel ustavu doc. dr. M. Vojta, VUFB Praha Vinohrady, reditel inz. dr. O. Nemecek.

(STAPHYLOCOCCAL INFECTIONS in inf & child)  
(INFANT NEWBORN diseases)

HORAK, A.

"The shortened process of spinning."

p. 442 (Textil) Vol. 12, no. 12, Dec. 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) DC. Vol. 7, no. 4,  
April 1958



HORAK, BOHUSLAV.

Dejiny zemepis. (1. vyd.) Praha, Nakl. Ceskoslovenske akademie ved.  
(History of geography. 1st ed. illus., fold. maps, bibl., footnotes, indexes)  
Vol. 1. (Antiquity and the Middle Ages) 1954.

GEOGRAPHY & GEOLOGY Periodicals

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,  
Nov. 1958

HORAK, B.; STADLEROVA, M.

Emil Holub, Josef Korensky; biographies. p. 94. SBORNIK. Praha.  
(Journal issued by the Czechoslovak Geographical Society; with English  
and Russian summaries. Quarterly) Vol. 60, no. 2, 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress  
Vol. 4, No. 12, December 1955

HORAK, B.

The globe owned by the Bohuslav Hastistejnsky z  
Lobkovic. p. 194.

CEskoslovenska spolecnost zemepisna. SBORNIK, CZECHOSLOVANIA  
Vol. 60, No. 3, 1955.

SOURCE: East E uropean Accessions List (EEAL) Library  
of Congress. Vol 5, No. 1, January 1956.

HORAK, B.

GEOGRAPHY & GEOLOGY

Periodicals: ANTHROPOZOIKUM. Vol. 63, No. 4, 1958.

HORAK, B. The first edition of Comenius' Mapa Moravy (Map of Moravia)? P. 331.

Monthly List of East European Accessions (EEAI) LC Vol. 3, No. 4, April 1959.  
Unclass.

HORAK, B.

"Bozena Hribova's Mapa prirodne krajiny ceskych zemí ve 12. století  
(Map of the Natural Regions of Czech Lands in the 12th Century);  
a review."

p. 170 (Ceskoslovenska Ethnografie, Vol. 63, no. 2, 1958,  
Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 2,  
September 1958

SEDLIAK, M. (Kosice, Fakultna nemocnice); MELICH, A.; SIMKO J.; HORAK, C.

On hormonal therapy of threatened abortion. Cesk. gynek. 30  
no.1:51-54 Mr'65.

1. Gyn. por. klinika Lekarske fakulty University P.J.Safarika  
v Kosiciach (prednosta: doc. dr. K. Poradovsky, CSc.).

HORAK, C.

Cytological picture of vaginal smears in pregnant women in late gestosis.  
Cesk. gynek. 27/41 no.8:582-587 '62.

1. Gyn.-por. klin. Lek. fak. UPJS v Kosiciach, prednosta prof. dr.  
T. Schwarz.

(VAGINAL SMEARS)

(PREGNANCY TOXEMIAS)

HORAK, Emil, inz.

The tasks of the map documentation service. Geod kart obzor  
2 no.3:54-55 Mr '56.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky,  
Praha.



HORAKOVA, O.; KALAMAR, J.; SOPTINSKA, M.; HORAK, F.

The presence of alpha-lipoic acid in natural substances. *Česk. farm* 13 no.3:107-110 Mr'64.

1. Slovensky ustav pro doskolovani lekaru, Bratislava; Katedra biochimie farmaceuticke fakulty a katedra organicke technologie chemicke fakulty UK, Bratislava.

\*

HORAK, F.; KALAMAR, J.

New synthesis of an isomer of vitamin K3 (6-methyl-1, 4-naphthoquinone). Cesk. farm. 12 no.8:410-411 0'63.

1. Katedra organickej technologic, Chemicka fakulta SVST, Bratislava.

\*

HORAK, Frantisek, ins.

Solved research tasks on sheep breeding. Vestnik vyzk  
zemedel 10 no.1:2-6 '63.

1. Vedouci Vyzkumne stanice zemedelske, Jedlova v  
Orlickych horach.

HORAK, F.

VACH, S.: HORAK, F.

Use of paper chromatography in pharmacopeia test; determination of saccharose and glucose. Cesk.farm. 4 no.6:310-311 Jk '55.

1. Z krajske kontrolni laboratore Pizenske Mediky, n.p.

(CARBOHYDRATES, determination,  
chromatography)

(GLUCOSE, determination,  
chromatography)

(CHROMATOGRAPHY,  
of glucose and saccharose)

✓ Determination of sucrose in glucose S. Vach and F.  
Horák (District Control Lab. Med. Pilsen, Czech  
Pharmacy 11 215, 1974). A paper chromatographic  
method is described by which 1% sucrose can be detected.  
The mobile phase is 4 BuOH:1 AcOH:5 H<sub>2</sub>O. The de-  
veloping solution consists of 1 ml of 10% ferric  
chloride in EtOH and 2 ml of 10% vanillin in EtOH. This  
develops a brown stain with both sugars prominent in  
ultraviolet light. This method is recommended in the  
German Pharmacopoeia for the starch-sugar reaction  
now often used in M. Hocking.

2

HORAK, F.

Quantitative determination of ephedrine by alkaline cleavage.

p. 558 (Chemicky Prumysl. Vol. 7, no. 2, Feb. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

*HORAK, F.*

CZECHOSLOVAKIA / Analytic Chemistry. Analysis of  
Organic Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60735.

Author : F. Horak, J. Gasperik.

Inst : -

Title : Quantitative Determination of Ephedrine by  
Alkaline Cleavage Method.

Orig Pub: Chem. zvesti, 1957, 11, No 9, 558-561.

Abstract:  $\text{CH}_3\text{NH}_2$  (II) splits off at heating ephedrine hydro-  
chloride (I) with NaOH, which can be used for the  
quantitative determination of I. 10 to 240 mg of  
the substance is heated with 30%-ual NaOH solution  
in Kjeldahl's apparatus for hemimicro determina-

Card 1/2

CZECHOSLOVAKIA / Analytic Chemistry. Analysis of  
Organic Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60735.

Abstract: tions, II is distilled off and determined by titra-  
tion. It is necessary to add water during the  
distillation in order to eliminate II completely.  
By this method, 4.90 to 4.91% of I was found in  
commercial ampoules with 5%-ual I solution, and  
24.5 to 25.2 mg of I was found in ephedrine tab-  
lets (which should contain 25 mg of I each).

Card 2/2

102



MACHEK, J.; HORAK, F.

Studies on function of the cerebral cortex in the mechanisms determining the course and initial motor deviations in audiogenic epileptic seizures in laboratory rats. Cesk. fysiол. 7 no.3:196-197 May 58.

1. Fysiologicky ustav CSAV, Praha.

(CONVULSIONS, exper.

audiogenic, cerebrocortical factor (Cz))

(NOISE, eff.

exper. convulsions, cerebrocortical factor in rats (Cz))

(CEREBRAL CORTEX, physiol.

in exper. audiogenic convulsions in rats (Cz))

HORAK, F. ; MACHEK, J.

"Contribution to the study of the functions of the cerebral cortex in mechanisms determining the direction of the course and initial motor deviations in audiogenic epileptic attacks of laboratory rats." p. 196.

CESKOSLOVENSKA FYSIOLOGIE. Praha, Czechoslovakia, Vol. 7, no. 3, May 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.  
Uncl.

HORAK, F.

Dynamics of audiogenic convulsive reactivity and motor indices of seizures in rats following exposure to acoustic epileptogenic stimulation. Cesk. fysiол. 7 no.5:471-472 Sept 58.

1. Fysiologicky ustav CSAV, Praha.

(NOISE, eff.

convulsions, audiogenic reactivity & motor indices of seizures in rats (Cz))

(CONVULSIONS, exper.

audiogenic, reactivity & motor indices of seizures in rats (Cz))

HORAK, F.

Sensitivity of laboratory animals to acoustic epileptic seizures and its relation to symptoms of seizures. Cesk. fysiол. 8 no.3:198 Apr 59.

1. Fysiologicky ustav CSAV Praha Predneseno na III. fysiologickych dnech v Brne dne 13. 1. 1959.

(CONVULSIONS, exper.

acoustic seizures in white rats (Cz))

(NOISE, effects,

epileptic seizures in white rats (Cz))

S/282/63/000/001/005/011  
A059/A126

AUTHORS: Horák, František, Homola, Vítězslav, Kozák, Jaromír

TITLE: A method of determining the concentration of cumene peroxide in the reaction products of phenol and acetone production, and a setup for its realization

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, 47. Khimicheskoye i kholodil'noye mashinostroyeniye, no. 1, 1963, 36, abstract 1.47.221 P (Czech. pat., cl. 421, 3/07, 12o, 10, 12q, 14/02, no. 99492, May 15, 1961)

TEXT: When phenol and acetone are produced by decomposing cumene peroxide in the presence of a catalyst, the concentration of cumene peroxide in the reactor has to be quickly determined. If the maximum permissible concentration is exceeded, an explosion may occur. Therefore, a sample is continuously taken from the reactor which is passed through an inclined tube. First, its initial temperature is measured. After the temperature pickup, a catalyst (e.g., sulfuric acid) is introduced into the tube, and the sample arrives at the second

Card 1/2

A method of determining the concentration of ....

S/282/63/000/001/005/011  
A059/A126

temperature pickup. From the temperature difference due to the exothermic decomposition reaction of cumene peroxide the peroxide concentration is determined with the aid of empirical tables. In the case of an excess cumene peroxide concentration, a catalyst is introduced into the reactor or the amount of cumene peroxide supplied is reduced. An automatic control of the process is feasible. There are 3 figures.

I. Gvozdev

[Abstracter's note: Complete translation]

Card 2/2

HORAK, F.; HORAKOVA, O.

Contribution to calcium metabolism. I. Cesk. gastroent. vyz. 15 no.4:  
304-310 Je '61.

1. Chemická fakulta SVST v Bratislave a Ústav pre doskolovanie  
lekarov, stredisko v Bratislave.  
(CALCIUM metab)

HORAK, F.; KALAMAR, J.; MELNIKOVOVA, N.

Preparation of new p-ethoxyphenylthiourea derivatives. Cesk. farm.  
11 no.2:80-81 F '62.

1. Katedra organickej technologic, chemicka fakulty SVST, Bratislava.  
(THIOUREA rel cpds)



HORAK, Frantisek, RNDr., C.Sc.

Paper chromatography of thio-6-azauracils. Chem zvesti 16  
no.1/2:151-156 Ja-F '62.

1. Katedra organickej technologic Slovenskej vysokej školy  
technickej, Bratislava. Author's address: Bratislava, Kollarovo  
námestí 2, Chemický pavilón Slovenskej vysokej školy technickej.

CZECHOSLOVAKIA

HORAK, F.; KALAMAR, J.; Chair of Organic Technology at the Faculty of Chemistry at the Slovak Technical University [Katedra Organickej Technologic, Chemicka Fakulta SVST], Bratislava.

"A New Synthesis of an Isomer of Vitamin K<sub>3</sub> (6-Methyl-1,4-naphthoquinone)."

Prague, Ceskoslovenska Farmacie, Vol 12, No 8, 1963, pp 410-411

Abstract: In 1948 an antibiotically active isomer of vitamin K<sub>3</sub> (6-methyl-1,4-naphthoquinone) was isolated from the fungus *Marasmius Graminum*. This substance was synthesized in a 2 step process from 6-methyl-1-naphthol. Its effect on blood coagulation was studied and it was determined that 6-methyl-1,4-naphthoquinone has a K vitamin activity.

1 Figure, 3 Western references.

BELLUS, Daniel, inz.; LISKA, Oto, doc. inz. CSc.; HORAK, Frantisek, dr. CSc.

Lobelia alkaloids. Pt.2. Chem zvesti 18 no.2:90-98 '64.

1. Laboratory of Polymers, Slovak Academy of Sciences, Bratislava, Dubravska cesta (for Bellus).
2. Department of Analytical Chemistry, Slovak Higher School of Technology, Bratislava, Kollarovo namesti 2 (for Liska).
3. Department of Organic Technology, Slovak Higher School of Technology, Bratislava, Kollarovo namesti 2 (for Horak).

RADOCHA, K., MUDr.; VACHA, K. doc. dr.; NOVAKOVA, Z., DrSC.; HORAK, F.

Analysis of antemortal mortality in the region of eastern Bohemia.  
Cesk. zdrav. 12 no.9:442-447 S '64.

1. Gynek.-porodnicka klinika lekarske fakulty Karlovy University,  
Hradec Kralove a Organizacne metodicke oddeleni Krajskeho ustavu  
narodniho zdravi Vychodoceskeho kraje, Hradec Kralove.

GABRIEL, J., MUDr.; NOVAKOVA, H., MUDr.; ETENAL, L., prom. ekonom.;  
GAISLER, J. MUDr.; BIDMAN, J., MUDr.; HORAK, Fr., Technicka  
spoluprace CERNA, V.

Study of a group of diseased patients in the University Hospital  
in Hradec Kralove for a 1-year period. Cesk. zdrav. 12 no.11:  
543-555 N ' 64.

1. Katedra organizace zdravotnictvi lek. fak. Karlovy University  
a Krajsky ustav narodniho zdravi v Hradci Kralove za odbornu  
spoluprace klinickyh pracovniku.

CMELOUK, A., MDr.; STACH, J., inzh.; HORAK, F.

Extended identification of data on regional health districts.  
Česk. zdrav. 13 no.7/8:362-370 Ag '65.

1. Katedra organizace zdravotnictví lékařské fakulty Karlovy  
University, Hradec Králové, Ústav pro zdravotnickou statistiku,  
Praha a Krajský ústav národního zdraví, Hradec Králové.

OMELCUK, A., MUDr.; STACH, J., inzh.; HORAK, F.

The educational profile of the district public health officer  
in statistical surveys. Cesk. zdrav. 13 no.10:490-499 0 '65.

1. Katedra zdravotnictví lékařské fakulty Karlovy University  
v Hradci Králové, Ústav pro zdravotnickou statistiku v Praze  
a Krajský ústav národního zdraví Východočeského kraje v Hradci  
Králové.

CZECHOSLOVAKIA

HORAK, F.; KOLINA, J.; THOMESOVA, O.; Chair of Organic Technology, Faculty of Chemical Technology, Slovak Technical University (Katedra Organickej Technologickej Chemicko-Technologickej Fakulty Slovenske Vysoke Skoly Technickej), Bratislava; Institute for Research, Production and Application of Radioactive Isotopes (Ustav pro Vyzkum, Vyrobu a Vyuziti Radioisotopu), Prague.

"Sulfur Derivatives of 6-Azathymine. III. Synthesis of Labelled 2-Thio-6-Azathymine and a Simplified Method of its Preparation."

Prague, Ceskoslovenska Farmacie, Vol 15, No 5, Jun 66, pp 254-255

Abstract /Authors' English summary modified 7: 2-thio-6-azathymine-<sup>35</sup>S and 2-thio-6-azathymine-<sup>35</sup>S were prepared for use in the study of goitrogenic activity. In the preparation of the <sup>35</sup>S containing substance it was noticed that the rate of exchange of S in the non-active substance for <sup>35</sup>S is consistent with a pseudomonomolecular reaction. 2 Figures, 4 Western, 3 Czech references. (Manuscript received 23 Aug 65).

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- 50 -



HORAK, G.

Some remarks on the longwall system and length and width of walls. P. 318  
PRZEGLAD GORNICZY. (Instytut Węglowy) Stalinogrod.  
Vol. 11, no. 9, Sept. 1955

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

HORAY, G.

HORAY, G. Determining a suitable inclined slicing of a panel. p. 449.

Vol. 11, No. 12, Dec. 1955

INŻEŃLAL GOSPODARSTWA

TECHNOLOGY

Poland

So: East European Accession, Vol. 5, No. 5, May 1956

HORAK, G.

"Analysis of costs of the retreating and advancing systems".

p. 125 (Przegląd Gorniczy) Vol. 12, no. 4, April 1956  
Katowice, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

RABSZYN, Jerzy, doc. mgr inż.; HORAK, Gerard, mgr inż.

Influence of technical parameters on the selection of the  
mining system. Prace gl gorn 20 [i.e.19] no.9:341-353 S'63.

HORAK, Gerard, mgr.,inz.

Calculation of charges for preliminary activities. Przegl gorn  
18 no.1:64-66 '62.

*HORAK, J.*

COUNTRY : Czechoslovakia  
CATEGORY :

H-52

ABB. JOUR. : AZKhim., No. 21 1959, No.

76951

AUTHOR : Horak, J.  
IN ST. : Not given

TITLE : The Spinning of Synthetic Fibers and Blends  
Thereof by the Worsted Process

ORIG. PUB. : Textil (GFR), 13, No 10, 366-369 (1958)

ABSTRACT : No abstract.

CARD: 1/1

HORAK, J.

"Inorganic chemistry" by Westermann, Naser and Gruhl. Reviewed by J. Horak. Chem prum 12 no.7:376 JI '62.

1. Vysoka skola chemicko-technologicka, Pardubice.

HORAK, J.

Typological basis for changes in the composition of forests growing from stumps  
in the area of Jihomoravsky uval. p.409.

(Beseda Venkovake Rodiny, Vol. 30, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.



HORAK, J.

Penetrating gunshot wounds of the thorax and their surgical treatment in the roentgenological picture. Rozh. chir. 42 no.11:838-841 N'63.

1. Rentgenologicke oddeleni UVN v Praze; vedouci MUDr. F.Sykora.

\*

KRAL,B.; HORAK,J.

Contribution to a more accurate method of determining residual lung volume. Cas.lek.cesk. 102 no.46:1274-1275 N°63.

1. II. interni klinika lekarske fakulty KU v Hradci Kralove,  
prednosta prof.dr. V.Jurkovic.

POSPISIL, M.; HORAK, J.

Urethrocystography in men. Notes on its clinical use. Rozhl.  
chir. 43 no.3:175-180 Mr'64

1. Urologické a rentgenologické oddělení II. chirurgické klini-  
ky fakulty všeob. lékařství KU v Praze; přednostát prof.dr.  
J. Lhotka.

\*

HORVATH, J.

Mechanism of nodal rhythm in athletes. Cesk. fysiол. 7 no.5:472-473  
Sept 58.

1. Katedra telovychovneho lekarstvi VIA JEvP, Hradec Kralove.

(HEART, physiол.

nodal rhythm in athletes (Cz))

(ATHLETICS,

same)

MANN, M.; HORAK, J.; HENDRICH, F.

Contribution to the treatment of coronary insufficiency by bilateral ligation of the internal mammary artery. Rozhl. chir. 41 no.5:347-352 My '62.

1. Chirurgické oddelení nemocnice v Novém Městě na Mor., přednosta dr. M.Mann Interní oddelení nemocnice v Novém Městě na Mor., přednosta dr. F. Hendrich.

(CORONARY DISEASE surg)

CZECHOSLOVAKIA

HORAK, J; OKAC, A.

Institute of Analytical Chemistry of Purkyne University  
(Institut für analytische Chemie, Purkyne-Universität),  
Brno (for both)

Prague, Collection of Czechoslovak Chemical Communications,  
No 10, 1963, pp 2563-2575

"Information and Determination of Niobates and Tantalates  
with Pyrogallolsulfonic Acid."

HORAK, J

CZECHOSLOVAKIA

HORAK, J.

Technical Higher School of Chemistry (Technische Hochschule für Chemie), Prague

Prague, Collection of Czechoslovak Chemical Communications,  
No 10, 1963, pp 2637-2656

"Reactions of Trichlormethansulfenylchloride and its  
Derivatives II. Solvolysis of S-methoxytrichlormethan-  
thiols, S-ethoxytrichlormethanthiols and S-Diethylamino-  
trichlormethanthiol."

CZECHOSLOVAKIA

HORAK, J., of the Chair of Military Internal Medicine and Radiobiology (Katedra vaelece interny s radiobiologii), and Military Physical Culture Medicine (Vojenske telovychovne lekarstvi), VLVDu [not identified, probably a military institute], Hradec Kralove.

"Circulatory and Respiratory Response in Boxers During An Adequate Laboratory Load"

Prague, Casopis Lekarů Ceských, Vol CII, No 16, 19 April 63, pp 433-435.

Abstract [Author's English summary, modified]: Examined are changes in the circulation and respiration of boxers training with a large bag (3 three-minute rounds with one-minute breaks among them). A bicycle ergometer was used for comparison. The value of the respiratory oxygen equivalent was used as criterium. The recovery period after the adequate load is much more rapid. The hypotonic type of pulse rate and blood pressure confirmed conclusions reached as a result of an analysis of

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CZECHOSLOVAKIA

Prague, Casopis Lekarů Ceských, Vol CII, No 16, 19 April 63, pp 433-435.

the training and efficiency in boxers who were not in good forms during the investigation period. Six German references.



CZECHOSLOVAKIA

SANDA, Z., KRÁL, B., and HORÁK, J., Second Clinic of Internal Medicine (II. interní klinika), Faculty of Medicine (Lékařská fakulta), Charles University, Hradec Králové, Docent Dr V. JURKOVIC, director.

"Electrocardiographic and Vectocardiographic Picture of So-Called Incomplete Block of the Right Ramus of Tawara Ramus Septi Fibrosi in Sportsmen"

Prague, Casopis Lékařů Českých, Vol CII, No 27-28, 8 July 1963, pp 749-753.

Abstract: Authors investigated changes in the RSR complex in 14 sportsmen during respiration, Burger's test, surgery stimulating the vagus, during a combination of inspiration and vagus stimulation, and after strain. During inspiration, Burger's test and combined test the picture improved considerably and disappeared altogether in many instances. The vagus stimulation did not change the picture. Results of a vectocardiographic analysis are given. Reasons are indicated for the development of an incomplete block of the right ramus of Tawara (ramus septi fibrosi). Twenty-seven references, including 3 Czech.

1/1

HORAK, J.

Comparison of the circulatory and respiratory functional efficiency of boxers with those of skiers and swimmers. Cas. lek. cesk. 102: no. 36:430-432 19 Ap '63.

1. Katedra valesne interny s radiobiologii a vojenskym telovychovnym lekarstvim VLVDU v Hradci Kralove.

(BOXING)	(SKIING)	(SWIMMING)	(SPORT MEDICINE)
(RESPIRATORY FUNCTION TESTS)	(CARDIOVASCULAR SYSTEM)		
(HEART FUNCTION TESTS)	(BLOOD CIRCULATION)		

HORAK, J.

Circulatory and respiratory responses in boxers during adequate laboratory loading. Cas. lek. cesk. 102 no.16:433-435 19 Ap '63.

1. Katedra valemne interny s radiobiologii a vojenskym telovychovným lékařstvím VLVDU v Hradci Kralove.

(BOXING) (SPORT MEDICINE) (RESPIRATORY FUNCTION TESTS)  
(HEART FUNCTION TESTS) (CARDIOVASCULAR SYSTEM)  
(BLOOD CIRCULATION)

SANDA, Z.; KRAL, B.; HORAK, J.

Electrocardiographic and vectorcardiographic picture of so-called incomplete block of the right ramus of Tawara in athletes. Cas. lek. cesk. 102 no.27/28:749-753 8 JI '63.

1. II.interni klinika lekarske fakulty KU v Hradci Kralove,  
prednosta doc. dr. V. Jurkovic.

(ELECTROCARDIOGRAPHY) (VECTORCARDIOGRAPHY)  
(CORONARY VESSELS) (HEART CONDUCTION SYSTEM)  
(HEART BLOCK) (SPORT MEDICINE)

CZECHOSLOVAKIA

KRAL, B.; HORAK, J.; 2nd Clinic of Internal Medicine at the Medical Faculty, Charles University (II. Interni Klinika Lokarske Fakulty KU), Hradec Kralove, Head (Prednosta) Professor Dr V. Jurkovic.

"Contribution to a More Accurate Method of Ascertaining the Residual Pulmonary Volume."

Prague, Casopis Lekarů Ceskych, Vol 102, No 46, 1963, pp 1274-1275

Abstract: (Authors' English summary) The authors inserted a registration device into the circuit of examination of residual pulmonary volume by means of Navratil's dilution method. This allows to ascertain exactly the respiratory position in which the examination of residual pulmonary volume was started. The error of examination is thus reduced by up to 300 - 400 ml.

It is possible to ascertain immediately before examination the vital capacity and the expiration reserve volume. 5 Figures, 3 Western, 1 Czech reference.

1/1

- 17 -

TOMANEK, R.; HORAK, J.

Acoustic and vestibular changes in children with congenital  
lues. Cesk. otolaryng. 13 no.3:145-151 Je'64

1. Otolaryngologická klinika fakulty všeobecného lékařství  
KU [Karlovy University] v Praze; přednosta: prof. dr. K.  
Sedláček.

CZECHOSLOVAKIA 073.173 UDC 616.211-002-009.86:616.24-073.173  
009.12-039.5-616.24-073.173  
ZELENY, M., HORAK, J.; VONDRA, V.; Otolaryngological Department Central Military  
Hospital (Otolaryngologicke Oddeleni Ustredni Vojenske Nemocnice), Prague, Head  
(Vedouci) Prof. Dr. E. CERNY; Department for Medical Aspects of Sports, Central  
Military Hospital (Sportovne Lekarske Oddeleni Ustredni Vojenske Nemocnice),  
Prague, Head (Vedouci) Dr. J. HORAK; Internal Department, Central Health Ins-  
titute, Military of Interior (Interni Oddeleni Ustredniho Zdravotnickho Ustava  
MV), Prague, Head (Vedouci) Dr. D. FRIEDMANOVA.

"Relation of Vasomotor Rhinitis to Spastic Broncho-Pulmonary Syndrome in Spiro-  
graphic Examination."

Prague, Casopis Lekaru Ceskych, Vol 105, No 23, 10 Jun 66, pp 612-616

Abstract [Authors' English summary modified]: Ventilation function of the lungs  
before and after an epinephrine test (s.c.) was investigated in 44 cases of  
allergic vasomotor rhinitis and in 20 cases of non-allergic vasomotor rhinitis.  
In patients suffering from allergic v.r. the percentage of predicted value of

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012-616 Casopis Lekaru Ceskych, Vol 105, No 23, 10 Jun 66, pp 612-616  
vital capacity per second (%NHVC, %NHFEV, %NHFEV<sub>1</sub> and VC) was increased. In non-allergic v.c. the ventila-  
tion function was normal. 4 Figures, 1 Table, 6 Western, 11  
Eastern references. (Manuscript received Jun 65).

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618120011-1

# Diagnosis

CZECHOSLOVAKIA

UDC 616.33:616.342)-002.44-005.1-089

LANGER, L.; FRIEDBERGER, V.; BORCK, Z.; HORAK, J.; 2nd Surgical  
Clinic, Faculty of General Medicine, Charles University (II.  
Chirurgicka Klinika Fakulty Vsoobecneho Lekarstvi KU), Prague,  
Head (Prodosta) Prof Dr J. LHOTKA.

"Surgical Remarks on Acute Hemorrhage from Gastroduodenal Ulcer."

Prague, Casopis Lekaru Ceskych, Vol 105, No 27-28, 4 Jul 66, pp  
750 - 752

Abstract [Authors' English summary modified]: Diagnosis of acute  
gastroduodenal ulcer bleeding and diagnostic problems of eso-  
phageal varix bleeding are discussed. Acute bleeding during con-

CZECHOSLOVAKIA

HRUDKA, F.; HORAKOVA, A.; HORAK, J.: Veterinary Faculty, College of Agriculture, Chair of Histology and Embryology (Veterinarska Fakulta VSP, Katedra Histologie a Embryologie), Kosice.

"Cytochemical Studies of Activity of Endogenous Reductases in Spermatozoa. III. Effect of Ionizing Radiation on the Motility and Activity of Endogenous Reductases and Succinodehydrogenase of the Ejaculated Bull Spermatozoa."

Prague, Veterinarni Medicina, Vol 11, No 6, Jun 66, pp 361-370

Abstract [Authors' English summary modified]: 2000-5000 r reduce the motility of washed; 10,000 r of unwashed spermatozoa. Succinodehydrogenase is more resistant to radiation than endogenous reductases. Radiation decreases the activity of the enzymes after a certain period of latency, which follows the irradiation. The inhibition starts slowly and increases linearly. The sensitivity of spermatozoa depends on the individuality of the donor. 0.15M NaCl solution increases the effect of irradiation on reductases, but does not affect the succinodehydrogenase. 3 Figures, 2 Tables, 12 Western, 7 Czech references. (Manuscript received 6 Nov 1965).  
1/1



L 8530-66 EWT(1)/EWP(t)/EWP(b) IJP(c) JD/AT

ACCESSION NR: APS018476

CZ/0055/05/015/007/0536/0518

AUTHOR: Horak, J.; Cermak, K.

TITLE: Preparation and photoelectric properties of bismuth sulfide

SOURCE: Czechoslovatskiy fizicheskiy zhurnal, v. 15, no. 7, 1965, 536-538

TOPIC TAGS: bismuth compound, photoelectric property, spectral distribution, crystal imperfection, thermoelectric power, crystal lattice structure

ABSTRACT: The article deals with preparation of BiSI crystals, which exhibit semiconductor properties, and with the spectral distribution of their photoeffect. Needle-like crystals 4 - 12 mm long were synthesized from pure bismuth, sulfur, and iodine in a quartz ampoule in pure nitrogen at 0.2 mm Hg and  $430 \pm 20^\circ\text{C}$ . The compound was found to be orthorhombic and belonging to the space group  $D_{2h}^{16}$ . The samples contained traces of less than  $10^{-3}\%$  Ca, Cu, Si, Se, Mg, and Al. The photoelectric current was measured as a function of the wavelength with a Zeiss monochromator and a stabilized tungsten-lamp source. The spectral distribution of the internal photoeffect for two different crystals obtained from the same batch is shown in Fig. 1 of the Enclosure. An important feature is that the difference in

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L 8530-66

ACCESSION NR: AP5018476

the intensity at the maximum not only varies from crystal to crystal but varies in the same crystal if the photocurrent is turned on and off at different places of the crystal. The wavelengths of the maxima do not change, but the ratio of the heights changes appreciably. A photovoltaic effect was observed in almost all the prepared crystals. The spectral distribution showed two distinct maxima at 700 and 790 nm and an indication of the maximum near 660 nm. The existence of a photovoltaic volume effect gives evidence of certain non-uniformity of the crystal. Preliminary measurements indicate that the changes in the heights of the maxima are connected with the anisotropy of the BiSI orthorhombic crystals. The location of the maxima (785 nm) is in good agreement with measurements by others. From the polarity of the thermoelectric power it is deduced that the crystal has n-type conductivity along the c-axis. Heat treatment in an inert atmosphere up to 200C increases the electric conductivity without any change in the structure of the crystals. Orig. art. has: 2 figures.

44, 55  
ASSOCIATION: Institute of Chemical Technology, Pardubice, Czechoslovakia

SUBMITTED: 08Mar65

ENC: 01

SUB CODE: SS

NR REF SOV: 000

OTHER 005

Card 2/3

L 8530-66  
ACCESSION NR: AP5018476

ENCLOSURE: 01

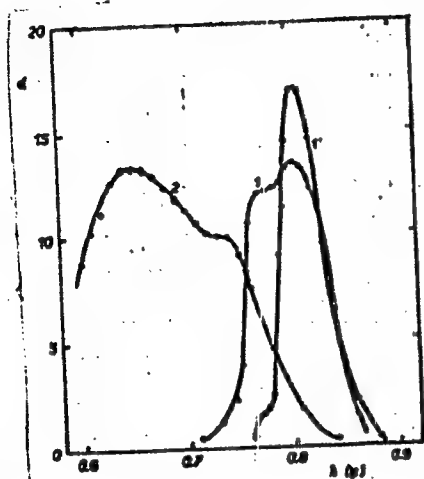


Fig. 1. Spectral distribution of photo-conductivity effect of BiSI crystals, samples 1 and 2. Curve 1 sample 1, curve 1' sample 1 when crystal is turned round c-axis. Polarizing stress 82 V, frequency 445 cps, room temperature. Signal d in parts of scale.

Card 3/3

HORAK, J.

Foundations for machines. p. 303.

STAVBY. Praha. Vol. 2, no. 8, Aug. 1954.

SOURCE: East European Accessions List (EFAL), LC, Vol. 5, no. 3, March 1956

HORAK, J.

New trends in the development of conveyers, p. 26, RUDY (Ministerstvo  
hutního průmyslu a rudných dolů) Praha, Vol. 3, No. 1, Jan. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

HANK, J.

Tasks of metallurgic workers in the new year. p. 1.  
(HUTNIK, vol. 5, no. 1, Jan. 1955, Praha)

SO: Monthly List of East European Accession, (EAL), 20, Vol. 4, No. 11,  
Nov. 1955, Uncl.

HORAK, J.

Economical utilization of iron and steel waste in blast furnaces. p.34.  
(HUTNIK vol. 5, no2. Feb. 1955, Praha)

SO: Monthly List of East European Accessions, (EEAL). LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

...K, J.

Ten years of free labor in the metallurgic industry. p. 129.  
Development and future prospects of our metallurgic industry. p. 130.  
United Steelworks. p. 133.  
(HUTNIK, vol. 5, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.



HORAK, J.

"From the National Conference of Workers of the Metallurgic Industry."

Hutnik. Praha, Czechoslovakia. Vol. 5, no. 10, Oct. 1955.

Monthly list of East European Accessions(EFAI), IC, Vol. 8, No. 6, Jun 59, Unclass

HORAK, J.

Problémy a výhledy našeho hutnictví a slevarenství ( Problems and the Outlook of Our Metallurgical Industry and Foundries); a book review. p. 255.

HUTNIK. Vol. 6, no. 8, Aug. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

HORAK, J.

Work of the scientific technical library of the Magnitogorsk metallurgical works.  
p. 286.

HUTNIK. Vol. 6, no. 9, Spet. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

HORAK, J.

HORAK, J. Comparison of the metallurgic industry in Czechoslovakia with that in some foreign countries. p. 351

Vol. 6, N<sup>o</sup>. 11, Nov. 1956

HUTNIK

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol, 6, N<sup>o</sup>. 3, March 1957

HORAK, J.

Machine foundation.

P. 297, (Strojirenska Vyroba) Vol. 5, no. 7, July, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (MEAI) Vol. 6, No. 11 November 1957

HORAK, J.

"Metallurgy at the 21st Congress of the Communist Party of the Soviet Union."

Hutnik. Praha, Czechoslovakia. Vol. 9, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

PUNGOCHAR, Z., inz.; LVOVA, H., inz.; FRIEDRICH, V., inz.; KECLIK, V., inz.;  
KRUMNIK, Frantisek, inz.; BAUER, J., inz.; SORAL, J., inz.;  
HORAK, J., dr., inz.; PEDLIK, M., inz.

Information on metallurgy. Hut listy 18 no.5:361-374 My '63.

HORAK, Josef, inz.

Fast tempering of recuperative tanks. Sklar a keramik 14 no.6:  
168-169 Je '64.

Prospective role of broad neck glass containers. Ibid.:178

1. Sklarny Moravia National Enterprise, Kyjov.



L 3758-66 EWP(t)/EWP(b) IJP(c) JD/JG

ACC NR: AP5027869

CZ/0034/65/000/001/0073/0073

AUTHOR: Horak, J. (Engineer, Doctor); Friedrich, V. (Engineer)

TITLE: Method for treating red slimes in Al manufacture for recovery of contained metals, mainly vanadium

SOURCE: Hutnicke listy, no. 1, 1965, 73

TOPIC TAGS: metal melting, slag, iron, aluminum, vanadium

ABSTRACT: The article is an abstract of Czechoslovak Patent Application Class 40a, 55/00, PV 4468-63, dated 5 Aug. 1963. The slimes presents a disposal problem. The slimes are heated under reducing conditions in a furnace, where they are melted while the basicity of the slag is maintained at 0.90 to 1.40. Reduced iron containing up to 1% of V is discharged from the furnace in a molten state, and is oxidized after discharge.

ASSOCIATION: none

SUBMITTED: 05Aug63

ENCL: 00

SUB CODE: 171

NR REF SOV: 000

OTHER: 000

JPRS

PC  
Card 1/1

HORAK, Jan

Repairing measuring instruments. Sdel tech 9 no.11:419-423 N '61.

HORAK, J.  
HORAK, J.

Treatment of infectious hepatitis. Gastroenterologia bohema 4  
no.2-4:90-99 Oct 50. (CML 20:5)

HORAK, J.

[Advances in diagnosis of diseases of the liver; cirrhosis and toxic states of the liver] Pokroky v rozpoznávání a léčeni jaterních chorob. Lek.listy 5 no.7:198-202 1 Apr '50. (CIML 19:1)

HORAK, J.

HORAK, J.

Prevention and treatment of pulmonary tuberculosis from the view-  
point of internal medicine. Lek.listy 6 no.1:15-19;contd. 1 Jan  
51. (GLML 20:5)

HORAK, J.  
HORAK, J.

Prevention and therapy of pulmonary tuberculosis from the view  
point of internal medicine. Lek.listy 6 no.2:54-57; concl.  
15 Jan 51. (CIML 20:5)

HORAK, J.

HORAK, J.

Skin transplantation following scalping. Lek. listy 6  
no.13:396-400 1 July 1951. (CJML 20:11)

1. Of the Surgical Department of the State Regional Hospital  
in Trebic (Head -- Karel Holubec, M.D.).

HORAK, J.

Isonicotinic acid hydrazide in the treatment of tuberculosis.  
Lek. listy, Brno 7 no. 15-16:411-412 1 Aug. 1952. (CLML 22:4)

1. Docent, M. D. 2. Brno.



HORAK, J.

~~Further experience with the treatment of tuberculosis with isonicotinic acid hydrazide.~~ Lek. listy, Brno 7 no.24:599-601 15 Dec 1952,

(GLML 23:4)

1. Of Brno District Tuberculosis Hospital.

HORAK, J.

Progress in prevention and prevention and therapy of pulmonary tuberculosis. Lek. listy, Brno 8 no. 1:1-2;contd. 1 Jan 1953. (CJML 24:2)

~~HORAK, J.~~

Control of tuberculosis according to new progress in the treatment of pulmonary tuberculosis; effect of progress of the treatment of pulmonary tuberculosis in organization of control of tuberculosis. Lek. listy, Brno 8 no. 2:48-51;concl. 15 Jan 1953. (GLML 24:2)

HORAK, Jan, Doc., MUDr., (Brno, Pekarska 39.)

Hypertension. Vnitr. lek., Brno 1 no.1:58-66 Jan 55.

(HYPERTENSION)

HORAK, JAN (Kane, MD)

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HOPAK, JAN

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20. "The first of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
21. "The second of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
22. "The third of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
23. "The fourth of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
24. "The fifth of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
25. "The sixth of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
26. "The seventh of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
27. "The eighth of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
28. "The ninth of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)
29. "The tenth of the 100,000 people who are being sent to the camps are the children of the people who are being sent to the camps." (p. 100)

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HORAK, J., doc. MUDr.; JANULA, J., MUDr.

Pulmonary syphilis. Bratisl. lek. listy 45 no.8:492-498  
30 Ap '65

1. Vnitřní oddělení II. městské nemocnice v Brně (vedoucí:  
doc. MUDr. J. Horak) a kožní oddělení II. městské nemocnice  
v Brně (vedoucí: MUDr. J. Janula).

HORAK, J.

Changes in the blood circulation and respiration following graded exercises in trained and untrained men. Cas. lek. cesk. 104 no.8: 216-219 26 F'65.

1. Ustredni vojenska nemocnice v Praze, sportovne lekarske oddeleni (vedouci: MUDr. J. Horak).



L 13311-66 EWT(m)

ACC NR: AP6006014

SOURCE CODE: CZ/0053/65/014/004/0273/0278

AUTHOR: Chlebovsky, O.; Praslicka, M.; Horak, J.

ORG: Institute of Biology PF UPJS, Kosice (Biologicky ustav PF UPJS); Department of Radiobiology, UEB SAV, Kosice (Radiobiol. odd. UEB SAV)

TITLE: Effect of chronic irradiation on the mitotic activity and finding of chromosomal aberrations in the bone marrow of rats [This paper was presented during Biophysical Days, Brno, 11 Jun 64.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 278

TOPIC TAGS: animal genetics, bone marrow, rat, radiation biologic effect, mitosis

ABSTRACT: Study of the effect of small (0.5, 1, 2.5, 5, or 10 r) daily irradiation doses on the mitotic index. Latter was less of a reliable criterion of irradiation damage than was the ration of individual mitotic phases. Some adaptation mechanisms seemed to operate to slow down, then even reverse changes after some weeks of irradiation. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1

CZECHOSLOVAKIA

HAVRANKOVA, V; HORAK, J

Institute for General and Inorganic Chemistry,  
Technical College for Chemistry (Institut für  
allgemeine und anorganische Chemie, Technische  
Hochschule für Chemie) Pardubice (for both)

Prague, Collection of Czechoslovak Chemical Com-  
munications, No 3, March 1966, pp 1256-1263

"Preparation and phototechnic properties of anti-  
mony chalcogenidic iodides."

CZECHOSLOVAKIA

HORAK, J

College of Chemical Engineering, Prague

Prague, Collection of Czechoslovak Chemical  
Communications, No 2, February 1967, pp 868-875

"On the reaction of trichloromethanosulphenyl  
chloride and its derivatives. Part 5: Relation  
between two structures and reactions of esters,  
thioesters and amides of trichloromethanosulphenic  
acid."

HORAK, Janusz, mgr inz.

Effect of temperature on the computation of power losses by  
the method of peak load power losses. Energetyka Pol 18 no.9:  
281-283 S '64

1. Department of Electric Networks, Institute of Power Engineering,  
Warsaw.